

TRANSMITTAL FOR U.S. PATENT APPLICATION  
UNDER 37 CFR §1.53(b)

**Box Patent Application**  
ASSISTANT COMMISSIONER  
OF PATENTS  
Washington, D.C. 20231

Attorney's Docket: 021953.0291 (ET 00-07)

Sir:

Transmitted herewith for filing is the original patent application of:

Inventors: Niels F. Jacksen, et al

For: **MONOLITHIC LEAD-SALT INFRARED RADIATION  
DETECTORS AND METHODS OF FORMATION**

Enclosed are:

- (1) 27 pages of Specification, including 31 Claims and Abstract;
- (2) 3 Pages executed combined executed Declaration and Power of Attorney;
- (3) 5 pages of Formal Drawings;
- (4) 2 pages of an Assignment of the invention to Litton Systems, Inc.;
- (5) 2 pages of separate cover sheet in compliance with 37 C.F.R. § 3.28 and § 3.31 is included with an Assignment recordal fee of \$40.00 pursuant to 37 C.F.R. § 1.21(h);
- (6) This Transmittal Form (2 pages) in duplicate with attached patent application filing fee in the amount of \$1,106.00;
- (7) 1 Page Certificate of Mailing by Express Mail; and
- (8) Return receipt postcard.

Applicant is a large entity.

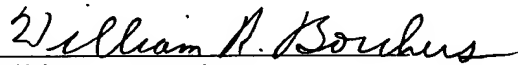
The accompanying application claims the benefit of U.S. provisional patent application Serial No. 60/240,525, filed October 13, 2000.

Provisional application, Serial No. 60/240,525, filed October 13, 2000, is assigned of record to Litton Systems, Inc. by an Assignment recorded in the U.S. Patent and Trademark Office on December 12, 2000 at Reel 011315, Frame 0665.

| FEE CALCULATION       |        |    |                 |          | FEE                   |
|-----------------------|--------|----|-----------------|----------|-----------------------|
|                       | Number |    | Number<br>Extra | Rate     | Basic Fee<br>\$740.00 |
| Total Claims          | 31     | 20 | 11              | X \$18 = | 198.00                |
| Independent<br>Claims | 5      | 3  | 2               | X \$84 = | 168.00                |
| TOTAL FILING FEE =    |        |    |                 |          | \$1,106.00            |

Enclosed is a check in the amount of \$1,106.00 for the filing fee. Please charge any additional fees or credit any overpayment to Deposit Account No. 02-0384 of Baker Botts L.L.P. A duplicate copy of this sheet is enclosed.

BAKER BOTTS L.L.P.  
Attorneys for Applicants

  
William R. Borchers  
Registration No 44,549

Date: October 11, 2001

CORRESPONDENCE ADDRESS:

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JC821 U.S. PTO  
10/11/01

ATTORNEY'S DOCKET:  
021953.0291 (ET 00-07)

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                       |  |
|-----------------------|--|
| In re Application of: | Niels F. Jacksen, et al  |
| Date Filed:           | October 11, 2001   |
| For:                  | MONOLITHIC LEAD-SALT INFRARED<br>RADIATION DETECTORS AND METHODS<br>OF FORMATION |

**BOX PATENT APPLICATION**

Honorable Assistant Commissioner  
of Patents  
Washington, D.C. 20231

Dear Sir:

CERTIFICATE OF MAILING BY EXPRESS MAIL

I hereby certify that the attached Patent Application (27 pages, including Specification, 31 Claims, and Abstract), 5 sheets of formal Drawings, executed Declaration and Power of Attorney (3 pages), Assignment (2 pages), Assignment Cover (2 pages), a check in the amount of \$40.00 for the Assignment recordal fee, Application Transmittal (2 pages) in duplicate, a check in the amount of \$1,106.00 for the application filing fee, this Certificate of Mailing, and an acknowledgment postcard are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on this 11th day of October, 2001 and is addressed to the Assistant Commissioner of Patents, Washington, D.C. 20231.

Willie Jiles  
Willie Jiles

Express Mail Receipt  
No. EL501020209US  
Attorney's Docket: 021953.0291 (ET 00-07)